

ELECTRICALLY ACTUATED SLIDE ROOM EXTENSION

Abstract of Disclosure

A system for extending and retracting expandable rooms in vehicles. The system employs linear actuators that can be mounted laterally to the direction of movement of the room when it is expanded or extended. In order to provide for extending and retracting the room, the actuators are connected to heavy chains which are connected to the main body of the vehicle structure and which will flex in one direction only. The chains ride in tracks such that when the actuators are retracted, the room will be extended, and when the actuators are extended, the room will be retracted. The system includes infrared sensors that sense movement of each chain to produce a signal that is used to synchronize movement of all of the actuators as the room is extended or retracted.

Figures